THE UTAH REFERENCE NETWORK GLOBAL POSITIONING SYSTEM (TURNGPS)

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TURNGPS is a network of permanently located GPS receivers, installed across the state as shown in the map below, through partnerships between Cities, Counties and State using equipment and facilities, to generate real time high accuracy GPS positioning.
TURNGPS is used for a range of precision GPS applications including surveying, engineering, construction and GIS data collection.

Product Features and Descriptions	
Feature	**Description**
Real Time Positioning	• TURNGPS enables high-accuracy positioning in real time over much larger geographic region than standard real time methods, using the internet for communication. • It maximizes the performance from a network of reference stations and eliminates the need to set up a temporary field base station for each individual project or post processing data, saving you time and money.

Features Not Included	
Feature	**Explanation**
Field Equipment Support	Field equipment support should be sought from the equipment manufacturer rather than from AGRC.
Email Notifications of station outages	Notifications of station outages are communicated through the website located at www.turngps.utah.gov.

Rates and Billing		
Feature	**Description**	**Base Rate**
TURNGPS	1 year subscription	$300

Ordering and Provisioning

Registration is available on the web at   **www.turngps.utah.gov**

DTS Responsibilities

State Code Requirements for TURNGPS
Statewide Global Positioning Reference Network to improve the quality of geographic information system data and the productivity, efficiency, and cost-effectiveness of government services, requires the Automated Geographic Reference Center within the Division of Technology Services to administer the network;

Agency Responsibilities

Users require a survey or mapping grade GPS device capable of connecting to the internet and authenticating via NTRIP protocol.

Users require a cell phone modem from any provider offering a data plan.

Users are required to register online at www.turngps.utah.gov in order to get server address information and user profile including user name and password.

Users should have knowledge of how to configure their hardware to consume GPS services from The Utah Reference Network. This information should come from the users hardware vendor.

Service Levels and Metrics

The Utah Reference Network should be available 24x7, other than during monthly updates done on scheduled DTS downtime weekends. Occasional downtime may occur due to local internet disturbances outside of the state network. The percent of availability should approach 99%.